

Express Mail No.: EV529786644US
International Application No.: PCT/EP2004/051720
International Filing Date: August 5, 2004
Preliminary Amendment Accompanying
Substitute Specification

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A rotor blade of a wind power installation, wherein the rotor blade is of comprising:

a fibre-fiber composite structure and has that forms the rotor blade;

a bearing structure comprising having fibrefiber strands of a predetermined length which are provided with a hardened composite material, preferably being impregnated therewith; and

characterised a plurality of in that the fibre structure (14, 16) formed by the fibre strands includes integrated prefabricated, flexurally stiff components (24) that part of the fiber that are integrated with the fiber composite structure.

2. (Currently Amended) Use of a bearing structure according to claim 1 as a load-bearing part in the production of wind power installations with rotor blades of a fibrefiber composite structure.

3. (Currently Amended) A process for the production of a rotor blade of a wind power installation, of a fibrefiber composite structure, comprising the following steps:

-producing shells forming the outer contour of the shaped body; ;

-producing bearing structures of fibrefiber strands of predetermined length which are impregnated with a hardening composite material; and

-transporting placing the bearing structure into the shells; ;

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~~characterised in that placing prefabricated flexurally stiff components (24) into the shells; and~~

~~are encapsulating the entire structure in an epoxy resin to form a rotor blade having an integrated into the bearing structure (14, 16) of fiber strands and prefabricated stiff components.~~

4. (Currently Amended) A process according to claim 3
~~characterised~~characterized in that the prefabricated components (24) are produced from ~~fiber~~fiber composite materials.

5. (Currently Amended) A process according to ~~one of claims~~claim 3 and 4~~characterised~~characterized in that the prefabricated components (24) of a predetermined length are used, wherein the lengths are preferably dependent on the position of installation of the components in the shaped body.

6. (Currently Amended) A process according to claim 5
~~characterised~~characterized in that prefabricated components (24) are used, which extend in the shells (11, 12) in adapted relationship to the loading.

7. (Original) A wind power installation having a rotor blade according to claim 1.